

Global Hawk #872 10/07/16 - 10/08/16

Aircraft:

[Global Hawk #872 \(See full schedule\)](#)

Flight Number:

872-0178

Payload Configuration:

NOAA SHOUT HRR

Nav Data Collected:

Yes

Total Flight Time:

23.7 hours

Submitted by:

Frank Cutler on 10/17/16

Flight Segments:

From:	KEDW	To:	KEDW
Start:	10/07/16 02:23 Z	Finish:	10/08/16 02:05 Z
Flight Time:	23.7 hours		
Log Number:	17H006	PI:	Gary Wick
Funding Source:	Robbie Hood - NOAA - UAS Program Manager		
Purpose of Flight:	Science		
Comments:	<p>SHOUT Science Flight #8 Mission Summary with sonde drop locations over Hurricane Matthew on October 7th. NASA G Conducts Second 24 Hour UAS Mission Over Hurricane Matthew NOAA SHOUT 2016 Science Flight #8 conducts multi- above and around Hurricane Matthew. Within 23 hours of flying its first Hurricane Matthew mission, the SHOUT Team lau Global Hawk at 1924 PT October 6th for the eighth science flight of the SHOUT 2016 campaign towards Hurricane Matthe tracks are being closely coordinated with the manned aircraft events and the National Hurricane Center (NHC). The crew dozen sondes and conduct numerous passes over the eye of Hurricane Matthew. The scientific data is being delivered in National Hurricane Center in Florida, the NOAA National Centers for Environmental Prediction (NCEP), and numerous m around the world for use in forecast and model development. The dropsonde data is going into the Global Telecommunic which delivers it to NHC with that the data currently being used by the NCEP HWRF, ECMWF and UKMet Models. After 1 NASA Armstrong, CA at 1905 PT October 7th, the Global Hawk will be quickly turned-around and takeoff at 1900 PT Octo Matthew. Social media was also following the SHOUT event at several sites including: https://twitter.com/NASAJPL/status/784426562435231744 https://www.facebook.com/NASAHurricane/photos/a.121853331194802.11206.112998395413629/1190483457665112/? https://twitter.com/NASAEarth/status/784473090860261377 https://twitter.com/NASAAirborne/status/7844721562267238 https://www.facebook.com/NASAAirborne/photos/a.445537385641180.1073741829.417800165081569/5290039106278 https://twitter.com/NASAEarth/status/784418515491000320 https://twitter.com/NASAAirborne/status/7844178568888565 HAMS Sensor Track over the storm. Global Hawk nose camera shot of the eye. -- John "JC" Coffey Cherokee Nation C supporting: NOAA UAS Program Office National Oceanic and Atmospheric Administration SSMC3/ OAR-R/ Room 1110C Highway Silver Spring, MD 20910 Email: John.J.Coffey@noaa.gov Office Telephone: 301-734-1104 Cell Telephone: 904</p>		

Flight Hour Summary:

	16H004	17H006
Flight Hours Approved in SOFRS	220	
Flight Hours Previously Approved		54
Total Used	166	73.2
Total Remaining		-19.2

17H006 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
10/05/16 - 10/06/16	872-0177	Science	24.7	24.7	29.3
10/07/16 - 10/08/16	872-0178	Science	23.7	48.4	5.6
10/09/16 - 10/10/16	872-0179	Science	24.8	73.2	-19.2

Source URL: https://airbornescience.nasa.gov/flight_reports/Global_Hawk_872_10_07_16_-_10_08_16

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Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

16H004 Flight Reports					
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
07/27/16	872-0168	Check	4.9	4.9	215.1
08/19/16	872-0169	Ferry	10.3	15.2	204.8
08/24/16 - 08/25/16	872-0170	Science	23.9	39.1	180.9
08/26/16 - 08/27/16	872-0171	Science	23.8	62.9	157.1
08/29/16 - 08/30/16	872-0172	Science	23.8	86.7	133.3
09/01/16 - 09/02/16	872-0173	Science	22.8	109.5	110.5
09/22/16 - 09/23/16	872-0174	Science	24	133.5	86.5
09/24/16 - 09/25/16	872-0175	Science	22.8	156.3	63.7
09/28/16	872-0176	Ferry	9.7	166	54